

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

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# PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year)	09-11-2004
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Applicant's or agent's file reference

BP109193/TN

**FOR FURTHER ACTION**

See paragraph 2 below

International application No.

PCT/FI 2004/050104

International filing date (day/month/year)

24-06-2004

Priority date (day/month/year)

27-07-2003

International Patent Classification (IPC) or both national classification and IPC

H04Q7/38

Applicant

NOKIA CORPORATION et al

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☒ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further opinions, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

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Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language, \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE  
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International application No.

PCT/FI 2004/050104

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	9 - 10, 12	YES
	Claims	1 - 8, 11	NO
Inventive step (IS)	Claims		YES
	Claims	1 - 12	NO
Industrial applicability (IA)	Claims	1 - 12	YES
	Claims		NO

2. Citations and explanations:

Reference is made to the following documents:

D1: US 20020130774 A1

D2: WO 0143483 A1

D3: EP 1035746 A1

D4: GB 2371907 A

D5: US 20030134627 A1

D6: WO 9918745 A1

D7: GB 2329794 A

D8: US 20020090931 A1

D9: US 20020039896 A1

The invention is intended to provide a method and a device for prevention of undesirable functions.

Document D1: US 20020130774 A1 (chapters 0021 - 0048, figures 1 - 2, abstract) discloses a control device (20) that controls undesirable emissions from devices (40), for example portable computers, mobile phones and hand held organizers, by transmitting radio signals to the devices (40). The signals can either be control signals that require the devices (40) to operate at a reduced functionality (a single functionality or two or more discrete functionalities, see chapter 0025), or warning signals indicating an acceptable level of functionality for the devices (40). A warning signal may require a device (40) to generate a warning receivable by the user of the device (40), and allows users to voluntarily take corrective actions. According to chapter 0040, the warning signal for a personal computer could require the personal computer to

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**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.

Continuation of: V

display a warning message on the personal computer's display screen. A mobile phone receives a voice message. According to chapter 0042, the control device (20) can transmit signals notifying the devices (40) of relaxed functionality restrictions on the devices (40). Therefore, the invention claimed in claims 1 - 8 and 11 lacks novelty.

Documents D2 - D9 (below) show a similar art.

In claims 9 - 10 and 12, slight constructional changes are suggested that are obvious to a person skilled in the art. Consequently, the invention claimed in claims 9 - 10 and 12 lacks an inventive step.

Document D2: WO 0143483 A1 (page 1, line 1 - page 8, line 8, figures 1 - 3B, abstract) discloses a method for preventing the use of a mobile telephone. A short range (Bluetooth) radio transmitter (13, claim 5) transmits a command to turn mobile telephones off, switch to short distance radio for communication or a message to the users of the mobile telephones to remind the users that the mobile telephones should be turned off. Therefore, the invention claimed in claims 1, 3 - 4, 6, 8 and 11 lacks novelty.

Document D3: EP 1035746 A1 (column 1, line 1 - column 9, line 20, figures 1 - 3, abstract) discloses a radio transmitter (Bluetooth 200) that transmits a protection signal to a mobile terminal (300) having a receiver that is arranged to switch off the radio part of the mobile terminal (300). Therefore, the invention claimed in claims 1, 3, 5 - 6 and 8 lacks novelty.

Document D4: GB 2371907 A (page 1, line 1 - page 9, line 12, figures 1 - 2, abstract) discloses a method for restricting and re-enabling the use of a portable camera. A radio transmitter (16) transmits a command to a receiver (12) in the camera to disable or re-enable one or more functions of the camera. Therefore, the invention claimed in claims 1 - 3 and 5 - 8 lacks novelty.

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In case the space in any of the preceding boxes is not sufficient.  
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Document D5: US 20030134627 A1 (chapter 0030 - 0066, figures 1 - 11, abstract) discloses a method for limiting the use of a mobile electronic device, for example a mobile phone (10, 20, 40) or a digital camera. A wireless transmitter (130) transmits a command to disable one or more features of the mobile electronic device. According to chapter 0052, a message is transmitted to the mobile electronic device releasing all or certain features. Therefore, the invention claimed in claims 1 - 3 and 5 - 8 lacks novelty.

Document D6: WO 9918745 A1 (page 1, line 1 - page 13, line 22, figures 1 - 7, abstract) discloses a method for switching off or reactivating a selected function in an electronic device, for example a mobile phone, when a command is received by a radio receiver. Therefore, the invention claimed in claims 1 - 3 and 5 - 8 lacks novelty.

Document D7: GB 2329794 A (page 1, line 1 - page 4, line 6, figures 1 - 3, abstract) discloses a mobile telephone (2) with a radio receiver (4) for receiving a disabling or enabling signal sent from a transmitter (13). The mobile telephone (2) may be partially disabled. Therefore, the invention claimed in claims 1 - 3 and 5 - 8 lacks novelty.

Document D8: US 20020090931 A1 (chapters 0005 - 0025, figures 1 - 2, abstract) discloses a wireless phone with a button or switch (320) for partially disabling the phone.

Document D9: US 20020039896 A1 (chapters 0006 - 0029, figures 1 - 3, abstract) discloses a mobile phone (100) having a radio receiver (RFA, RFB) for receiving a disabling or enabling signal sent from a short-range transmitter (10, 12). The mobile phone (100) is disabled without or with the consent of the user (chapter 0028). Therefore, the invention claimed in claims 1 - 8 and 11 lacks novelty.

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International application No.

PCT/FI 2004/050104

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawing or on the question whether the claim are fully supported by the description, are made:

According to the independent claims 1 and 6, a blocking key is received via a wireless connection. However, according to dependent claims 3 and 10, the blocking key is received via a cable (connection). Claim 3 comprises all the features of claim 1 and is therefore not appropriately formulated as a claim dependent on the latter (Rule 6.4 PCT). Claim 10 comprises all the features of claim 6 and is therefore not appropriately formulated as a claim dependent on the latter (Rule 6.4 PCT).